

Breakout Summary Subsea Well Systems

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MAWOP

- **Needs Clarification**
 - Show figure with N and N+1 annuli for subsea system
 - Too many A, B, C's
- **How is age considered in design capacity?**
- **Critical Link in annulus not necessarily tubular – could be liner hanger, rupture disc, etc.**
- **Need to include well system Test Pressure!**

$|P - P_b|$ Trigger

- **Provide a legend/key to explain decision tree boxes**
- **Should trigger for A annulus be 200 psi, 300 psi (low test pressure), or a percentage of shut-in or working pressure?**
- **Not a regulatory trigger, but operator trigger**

Monitoring Frequency

- **What is the baseline frequency?**
- **What does “continuous” mean?**
 - once per day
 - once per week
 - once per month...
- **How is annulus pressure monitoring failure considered in the decision tree?**

Diagnostics

- **Entire Production System needs to be considered**
 - **offset distances (well to surface facility)**
 - **plumbing above well head**
 - **multiple wells**